

## Langde 900 Gear pump inkjet printer



### Langde Technology Co.,LTD

- Industry 4.0 Intelligence
- High speed six core CPU
- SCloud Cloud Service Platform
- Internet remote monitoring and upgrading



# Langde 900 Series inkjet printer

## Industry 4.0 latest products

### Langde 900 Gear pump series small character inkjet printer



#### Overall performance

32-bit ARM machine      One-button switch  
Automatic printhead cleaning      Automatic ink line detection  
Machine status is automatically displayed  
Online editing information  
SD card / USB data information import  
Fully sealed integrated design of the printhead  
Internet remote monitoring, upgrade  
Work log record      WIFI wireless Internet access

#### Operation interface

10.2-inch color touch screen      image Teletext  
Multi-level password protection  
Boot language selection / with screen saver function  
Different types of information are in different colors.

#### External extension

Sd card      USB interface  
RS232, RS485      Ethernet port  
Encoder input      Photocell switch input

#### Language :Chinese, English

#### Specification

Size: 420x310x600mm      Weight: 27kg  
Nozzle main pipe: 3 meters

#### Environmental requirements

Voltage: 85~265 VAC, 50/60 Hz  
Temperature: -10 °C ~ 45 °C      304 stainless steel case  
Humidity: 10~95% non-condensing

Simpler operation, less maintenance, better printing quality, faster printing speed. The machine is specially designed for customers with medium to high frequency of use and medium to high speed production lines. It adopts the internationally advanced 32-bit ARM embedded structure and a high-speed 6-core CPU running the Linux professional operating system. With the unique "Scloud cloud service" as the background platform, it integrates customers and manufacturers, provides end-to-end, face-to-face intimate services, implements all-weather full-intelligent monitoring, remote services, remote upgrades, private customization, and personalized services with one click. It has powerful software editing functions and extremely high stability. It brings a more perfect identification experience to inkjet printer users in terms of product performance and application. It is an epoch-making product that perfectly combines technology and performance.

#### Bar code

EAN 8&13; Code 128 A,B&C;  
EAN 128; Code 39; Code 93; Interleaved 2 of 5

#### QR,DM

10×10   12×12   14×14   16×16  
18×18   20×20   24×24   34×34

#### Smart ink/solvent cartridge

Ink Smart Cartridge™: (750 ml)  
Make-up Smart Cartridge: (750 ml)



# Private customization    Personalized service

## Sccloud cloud service

## Create a more perfect coding & marking experience

### Unique nozzle triple anti-blocking function

1. It has an independent cleaning pump. It automatically sprays solvent to clean the nozzle and the recovery pipeline every time it is turned off. When it is turned on, it automatically sprays solvent to clean the nozzle and the recovery pipeline before spraying ink.

2. The unique double-valve structure of the printhead can ensure that the ink in the ink system can be thoroughly cleaned and returned to the ink tank, truly achieving full-automatic nozzle cleaning. It greatly reduces daily maintenance work and improves the stability of equipment operation.

3. The nozzle parts can be removed separately and placed in the ultrasonic cleaner to completely solve the blockage problem.



### Advanced ink viscosity automatic control system

Adopt advanced time of flight (TOF) to control ink viscosity, continuously monitor ink jet speed and automatically adjust in closed loop, which is not affected by factors such as ambient temperature changes and startup time, so that the printer always maintains perfect printing quality. The traditional float viscometer is abandoned to detect ink viscosity. Relatively speaking, using flight time to measure viscosity is more accurate, reliable and controllable.



### Perfect digital circuit control system

The "all digital intelligent" menu system can automatically update the important parameters of the circuit in the ink circuit system, operating data and other important parameters and can be digitally adjusted to make the equipment running state clear at a glance. The automatic fault detection system automatically prompts through digital menus and signal lights to eliminate faults in a timely and effective manner.

### Powerful printing function

1. You can edit other non-working information while the machine is working, and switch the printing content instantly.
2. It can realize online anti-counterfeiting code printing and variable barcode printing.
3. It can receive BMP patterns compiled by the computer, and you can directly make special characters or patterns on the touch screen, and support personal signatures.
4. It has special functions such as encoding synchronization, photoelectric synchronization, synchronizer synchronization and fixed distance, online one-time detection N times printing, N times detection one time printing, etc.
5. You can set the counter step length, increment, decrement, cyclic printing, etc. at will.

### Special harsh industrial environment

The machine adopts wear-resistant stainless steel chassis and unique printhead positive pressure wind function to resist the invasion of dust and water, suitable for use in various harsh environments. It has a multi-channel ink processing system and fault alarm display function to ensure more stable machine operation and more convenient maintenance. It has a multi-channel controller output port, which can be used in conjunction with customer on-site equipment as needed.



# Standard function



Number of lines printed: 1-5 lines (5x5 dot matrix)

Number of printing points: 5x5 5x7 7x9 6x12 8x16 12x16 11x24 16x32 34 dot matrix within the lattice information

Printing speed: 325m/min(5 dot matrix), 315m/min(7 dot matrix), 245m/min(9 dot matrix),  
138m/min(12 dot matrix), 93m/min(16 dot matrix), 34m/min(24 dot matrix), 18m/min(34 dot matrix)

Operation interface: color touch screen, Chinese and English menu

Storage information: Unlimited storage of print information (external removable storage)

Printing content: date, time, automatic date, automatic validity period, class number, batch number, serial number, four groups of counters, meter, self-patterning, variable barcode, variable two Dimensional code, pseudo-pseudo code, multi-language, multiple fonts (support for personalized signature)

Printing length: 1024 characters (can be customized)

Chinese input: Pinyin input method Location code input method

Printing ink: black, blue, red, yellow and other color inks

Printing height: 1~12mm (adjustable)

Printing distance: 1~30mm (adjustable)

Font widening: 1 to 9 times, can be widened for a single character

Font direction: normal word, reverse word, inverted word, inverted word, can set the printing direction independently for a single character

Font spacing: 1 to 8 times, can be edited point by point

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